

101.10 - Stainless Steels (disk form)

Technical Contact: john.sieber@nist.gov

PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	Description	Unit of Issue	C	Mn	P	S	Si	Cu	Ni	Cr	V	Mo	Co	N	Al	Nb	Ta
1155	Stainless Steel Cr 18-Ni 12-Mo 2 (AISI 316)	disk	0.0445	1.619	0.0200	0.0175	0.5093	0.175	12.35	18.37	0.050	2.26	0.109	(0.04)			
1171	Stainless Steel Cr 17-Ni 11-Ti 0.3 (AISI 321)	disk	0.067	1.81	(0.019)	(0.013)	0.536	0.1205	11.18	17.50		0.167	0.097				
1172	Stainless Steel Cr 17-Ni 11-Nb 0.6 (AISI 348)	disk	0.056	1.76	0.025	0.014	0.59	0.105	11.35	17.40		0.22	0.12			0.65	
1219	Stainless Steel Cr-Ni (AISI 431)	disk	0.149	0.42	0.026	0.001	0.545	0.162	2.16	15.64	0.056	0.164	(0.04)	0.078	(0.001)	(0.01)	Sn (0.008)
1223	Chromium Steel	disk	0.127	1.08	0.018	0.329	0.327	0.081	0.232	12.64	0.068	0.053	Mg ((0.05)	(Sn (0.004)
1295	Stainless Steel (SAE 405)	disk	0.027	0.387	0.022	0.0003	0.321	0.260	0.194	13.52	0.082	0.023	0.020	Sn (0.02)	(0.20)	((
1297	Stainless Steel (SAE 201)	disk	0.066	7.11	0.038	0.0033	0.397	0.442	5.34	16.69	0.080	0.331	0.127	Sn ((0.003)	((
C1151a	Stainless Steel 23Cr-7Ni	disk	0.034	2.39	0.017	0.038	0.29	0.385	7.25	22.59	0.040	0.79	0.033	(0.21)	(0.003)	(0.015)	(0.004)
c1152a	Stainless Steel 18Cr-11Ni	disk	0.142	0.95	0.023	0.0064	0.64	0.097	10.86	17.76	0.033	0.44	0.22	(0.055)	(0.004)	(0.15)	(0.001)
C1153a	Stainless Steel 17Cr-9Ni	disk	0.225	0.544	0.030	0.019	1.00	0.226	8.76	16.70	0.176	0.24	0.127	(0.11)	(0.004)	(0.48)	(0.03)
C1154a	Stainless Steel 19Cr-13Ni	disk	0.100	1.44	0.06	0.051	0.53	0.44	13.08	19.31	0.135	0.068	0.38	(0.077)		(0.22)	(0.045)
C1296	Stainless Steel	disk	0.038	0.256	0.024	0.013	0.66	0.056	0.373	27.90	0.134	3.43	0.026	Sn (0.035	0.20	(

Values in parentheses are not certified and are given for information only.